1st & Final Bill W.O: EE/ELE/RRN/W.01 25/2022-2 Dtd: 19/04/2022

Job: 017-22-000003

M. A. R. 57 (Rule 116) **No. E** 371834

Measurement Book

Serial No. .....

Name of work ..Replacement of damaged U.G cable From ..... to Panel Board, poles and

Name of Contractor of nature of Agency..fittings etc at J.P. Park Ward No-17 of RR Nagar Zone

Date of commencement of work..M/S Impana Enterprises.

From:- 19-4-2022 TO

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1. Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694: conforming to latest amendments. 1.5 sq mm.						
	MHr → 195 × 18.0 = 3510.00						
	2. Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open concealed system of wiring 4 sqmm.						
	MHr → 190 × 8.0 =					1520.00	

Verified
AEE (E&M) 16/7/22

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3. Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy class-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 two Amps DP.	Each → 20				1300.00 =	26000.00
	4. Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using neeessary bolts, nuts, washers and wiring etc, complete with AC-3 Rating and as per IS-13947. 60 to 70 Amps-	Each → 10				4000.00 =	40000.00

Serial
Name
Name
Date
Date
1
5

M. A. R. 57 (Rule 116) No. E 371835

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5	Supplying and fixing Microprocessor based Electronic timer (without contactor, Din Mounting using necessary bolts, nuts and washers etc.) 3-120 sec setting						
	Each →	10				10 X 1850.0 = 18500.00	
6	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 1H Ohms/KMS (max) as per IS-3975 H Core 10 sq mm						
	Mts →	700				700 X 120.0 = 84000.00	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7 Labour charges for laying of 1.1 KV class VG cable in existing trench GI pipe/ stone ware pipe on wall/on pole as required ground level and consolidating etc. complete (As per Civil SR KSRB-I-2, P-7) In soil (Ordinary) Mtr → 700 X 11.0 = 7700.00						
	9. Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 10 sqmm Each → 60 X 7.0 = 420.00						
	~~10. 16 Sqmm~~						
	8. Digging of trench of 0.6m deep x 0.50 mtr wide & filling the digging trench to the required ground level and consolidating etc. complete (As per Civil SR KSRB I-2, P-7) in soil (ordinary) Mtr → 640 X 70.0 = 44800.00						

M. A. R. 57 (Rule 116) No. E 371836
Measurement Book

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work ..... From ..... To .....

Contractor of nature of Agency.....

ommencement of work.....

Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
		Length	Breadth			
2	3	4	5	6	7	8
16 Sqmm	Each → 40	12.0		= 480.00		
Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/paned using necessary nuts, bolts and washers. 63. Amps.	Each → 8	220.0		= 1760.00		
Supply and Installation / fixing / provision of pole box with HRC fuse MCB provision and suitable connector with loop-In & Loop out terminals for 10 sqmm/25 Sqmm 3.5 C Al/Ar cable and branch out 2.5 Sqmm 2 core PVC insulated. For cable entry through IP65 Thermoplastic. polymade glands and grommets 200 x 200 x 98 mm.	Each → 10	1900.0		= 19000.00		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13	Supply of LED pole mounting type post top lantern die cast aluminium housing body for optimal thermal dissipation with prestige Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate / clear glass material delivering superiour light output. Rated life Burning Hrs 50000 hr @ Lumen maintenance of 70%. CCT > 5500K. IP 66 optical and electrical compartment & Impact resistance of complete luminaire etc complete as per the specification of Schedule B as mentioned above should be given by LED manufacturer & Cree / Nichia / Lumileds Osram make LED source. LED post top Lantern with 35 watts.						
	NO → 12 x 6000.0 = ₹2000.00						

AEE (Elec.)

M. A. R. 57 (Rule 116) **No. E** 371837

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14.	Supply of LED Street light luminaire with pressure die cost aluminium housing body for optimal thermal dissipation. Lamp. compartment comprising of anti-glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life - Burning Hrs 50000. hr @ Lumen Maintenance of 70:1. maximum light intensity should be between 60 degrees to 70 degrees. etc complete as per the schedule B. as mentioned above. Should be given by. LED Manufacturer make LED source. LED Street light 25 watts.						
		No →	12	X 1800.0	=	21600.00	

AEE (Ele.)

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
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	15- Supplying & fixing LED Driver Suitable for 5700K LED fitting outdoor fixtures. Operating voltage range from 180V to 265V, 50Hz AC power supply of 25W 5700K Suitable for outdoor LED. fitting.						
		Each → 40 × 1050 = 42000.00					
	AEE (Ele.)						
	16 90W 5700K Suitable for outdoor LED fitting.						
		Each → 8 × 3200.0 = 25600.00					

M. A. R. 57 (Rule 116) No. E 371838

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
17	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel / silver paint including coping footing of the pole. Upto 5 mtr street light pole.	No → 55	x	460.0	= 25300.00		
			Total		= ₹ 34190.00		
			Add 12.1.95%		= 52103.00		
			Total Bill Amount		= ₹ 86293.00		

AEE (Elec.) 16/7

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Certificate: 1) Certified that work is executed satisfactorily. 2) This bill amount is not been claimed in any of the other previous bill. AE (Ele) AE/Elc Assistant Executive Engineer (Elec) Rajkot Zone, Rajkot Municipal Corporation Bruha Mahotsav Mahanagar Palika Details of U.G. cable, MCB, Contactor, Timer and Fittings Installed in JP Park inside, Ward: No; 17.						
1	Pole painting	55 Nos					
2	LED Drivers 25w-40 Nos 90w-8 Nos	48 Nos	Replaced in Park Lights J.P Park				Installed in

M. A. R. 57 (Rule 116) No. E 371839

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	Total	4	5	6	7	8
SLNO	Description	Quantity.					
1	H-Pole MCB	20 Nos					
2	4Pole Contactor & Timer	10 Nos					
3	LTUG Cable 4X10 Sqmm with terminal Box	700 Mtrs					
4.	25 watt LED Street light	12 Nos					
5.	35 watt LED lights	12 Nos					

AE (Elec.) Assistant Executive Engineer (Elec)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to las Measuren
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Rs. 4,86,293=00/- Adjustments Details IT 4863=00/- CGST 4342=00/- SGST 4342=00/- CBF 486=00/- FSD — LC 4863=00/- FINE — OTHERS — TOTAL 18896=00/- NETT 4,67,397=00/-						

Passed for Rs. 4,86,293=00/- Only
Net Cheque Rs. 4,67,397=00/- Only
Adjustment Rs. 18896=00/- Only
Rs in Words Four lakh Sixty Seven thousand three hundred ninety Seven only

AEE's Supd.
IRRNZ
BBMP

EE(E)
RRNZ
BBMP

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